

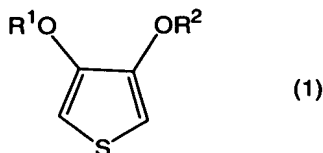
Please amend the Application as follows.

AMENDMENTS TO THE CLAIMS:

The present listing of claims replaces all prior versions, and listings of claims in the application.

Claim 1. (Currently Amended) A method for producing an aqueous dispersion containing a complex of (i) a material selected from the group consisting of poly(3,4-ethyalkylenedioxythiophene), poly(3,4-dialkoxythiophene) and combinations thereof, and (ii) a polyanion comprising:

polymerizing ~~3,4-dialkoxythiophene~~ a monomer represented by formula (1):



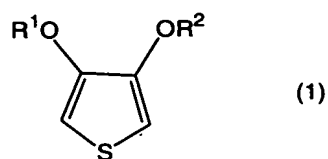
wherein R¹ and R² are independently hydrogen or a C₁₋₄-alkyl group, or together form a C₁₋₄-alkylene group which is optionally substituted,

wherein the polymerization is performed in the presence of the polyanion by using peroxodisulfuric acid as an oxidizing agent in an aqueous solvent.

Claim 2. (Cancelled)

Claim 3. (Currently Amended) A method for producing an aqueous dispersion containing a complex of poly(3,4-dialkoxythiophene) and a polyanion comprising:

polymerizing ~~3,4-dialkoxythiophene~~ a monomer represented by formula (1):



wherein R¹ and R² are independently hydrogen or a C₁₋₄-alkyl group, or together form a C₁₋₄-alkylene group which is optionally substituted,

wherein the polymerization is performed in the presence of the polyanion by using peroxodisulfuric acid as an oxidizing agent in an aqueous solvent, in which an acid selected from the group of water-soluble inorganic acids and water-soluble organic acids is added so as to lower pH of the resultant reaction mixture.

Claims 4 - 6. (Cancelled)